

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/508,759A
Source: 1Fu16
Date Processed by STIC: 7/27/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 10/508,759A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/508,759A

DATE: 07/27/2006
TIME: 09:57:33

Input Set : A:\30215APG_SEQ.txt
Output Set: N:\CRF4\07272006\J508759A.raw

3 <110> APPLICANT: APROGEN INC.
5 <120> TITLE OF INVENTION: HUMANIZED ANTIBODY AND PROCESS FOR PREPARING SAME
7 <130> FILE REFERENCE: PCA30215/APG
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/508,759A
C--> 9 <141> CURRENT FILING DATE: 2004-09-22
9 <150> PRIOR APPLICATION NUMBER: KR10-2002-0015708
10 <151> PRIOR FILING DATE: 2002-03-22
12 <160> NUMBER OF SEQ ID NOS: 38
14 <170> SOFTWARE: KopatentIn 1.71
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 345
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: HEAVY CHAIN of HZVII
24 <400> SEQUENCE: 1
25 cagggtccagc tgggtcagtc tggagctgaa gtgaagaagc ctggggccctc agtgaagg 60
27 tcctgc当地 agtgc当地 tggcttggaa tgaactgggt ggc当地 caggcc 120
29 cctggacagg gtcttgatgt gatgggacagg atttacccctt gtgggtggaa cactagctac 180
31 gcacagaagt tccaggc当地 agtc当地 aatccacagg cacagtctac 240
33 atggagctca gcagc当地 gagt atctgaggac acggc当地 gtgttgc aagagag 300
35 cgggtt当地 gttggggccca aggaactctg gtc当地 gtcttca 345
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 115
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: HEAVY CHAIN of HZVII
47 <400> SEQUENCE: 2
48 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Ala Pro Gly Ala
49 1 5 10 15
51 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ala
52 20 25 30
54 Trp Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
55 35 40 45
57 Gly Arg Ile Tyr Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
58 50 55 60
60 Gln Gly Arg Val Thr Met Thr Ala Asp Lys Ser Thr Ser Thr Val Tyr
61 65 70 75 80
63 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
64 85 90 95
66 Ala Arg Glu Tyr Arg Val Ala Arg Trp Gly Gln Gly Thr Leu Val Thr
67 100 105 110

*Does Not Comply
Corrected Diskette Needed
see pp 2-5*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/508,759A

DATE: 07/27/2006
TIME: 09:57:33

Input Set : A:\30215APG_SEQ.txt
Output Set: N:\CRF4\07272006\J508759A.raw

69 Val Ser Ala
70 115
73 <210> SEQ ID NO: 3
74 <211> LENGTH: 336
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: LIGHT CHAIN of HZVII
82 <400> SEQUENCE: 3
83 gatatcgta tgacccaaac tccactttct ttgtcggtta cccctggaca accagcctct 60
85 atctcttgca agtcaagtca gagcctctta tatagtaatg gaaaaaaccta tttgaattgg 120
87 ttattacaga agccaggcca gcctccacag cgcctaatct atctgggtgc taatcgggac 180
89 tctggagtcc ctgacaggtt cagtggcagt ggatcaggaa cagatttac actgaaaatc 240
91 agcagagttgg aggctgagga tggggaggtt tattactgcg tgcaaggtac acatttcct 300
93 cagacgttcg gtggaggcac caaggtggaa atcaaa 336
96 <210> SEQ ID NO: 4
97 <211> LENGTH: 112
98 <212> TYPE: PRT
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: LIGHT CHAIN of HZVII
105 <400> SEQUENCE: 4
106 Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
107 1 5 10 15
109 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
110 20 25 30
112 Asn Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Lys Pro Gly Gln Pro
113 35 40 45
115 Pro Gln Arg Leu Ile Tyr Leu Val Ser Asn Arg Asp Ser Gly Val Pro
116 50 55 60
118 Asp Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
119 65 70 75 80
121 Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Val Gln Gly
122 85 90 95
124 Thr His Phe Pro Gln Thr Phe Gly Gly Thr Lys Val Glu Ile Lys
125 100 105 110
130 <210> SEQ ID NO: 5
131 <211> LENGTH: 26
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Ryu94
139 <400> SEQUENCE: 5
140 gagaattcac attcacgtg tacttg
143 <210> SEQ ID NO: 6
144 <211> LENGTH: 33
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:

*insufficient - give source of genetic material
(see item 11 on Error Summary Sheet)*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/508,759A

DATE: 07/27/2006
TIME: 09:57:33

Input Set : A:\30215APG_SEQ.txt
Output Set: N:\CRF4\07272006\J508759A.raw

149 <223> OTHER INFORMATION: HUR43-1 *same era*
 152 <400> SEQUENCE: 6
 153 ctgctgcagc tggacctgac tctggacacc att 33
 156 <210> SEQ ID NO: 7
 157 <211> LENGTH: 33
 158 <212> TYPE: DNA
 159 <213> ORGANISM: Artificial Sequence
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: HUR44-1
 165 <400> SEQUENCE: 7
 166 caaggtccagc tgcagcagtc tggacacctgaa ctg 33
 169 <210> SEQ ID NO: 8
 170 <211> LENGTH: 33
 171 <212> TYPE: DNA
 172 <213> ORGANISM: Artificial Sequence
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: HUR45-1
 178 <400> SEQUENCE: 8
 179 tggggcccttg gtggaggcgtc cagagacagt gac 33
 182 <210> SEQ ID NO: 9
 183 <211> LENGTH: 33
 184 <212> TYPE: DNA
 185 <213> ORGANISM: Artificial Sequence
 187 <220> FEATURE:
 188 <223> OTHER INFORMATION: HUR46-1
 191 <400> SEQUENCE: 9
 192 gcctccacca agggcccatc ggtttcccc ctg 33
 195 <210> SEQ ID NO: 10
 196 <211> LENGTH: 28
 197 <212> TYPE: DNA
 198 <213> ORGANISM: Artificial Sequence
 200 <220> FEATURE:
 201 <223> OTHER INFORMATION: HUR31
 204 <400> SEQUENCE: 10 28
 205 cagcggccgc tcatttaccc ggggacag
 208 <210> SEQ ID NO: 11
 209 <211> LENGTH: 26
 210 <212> TYPE: DNA
 211 <213> ORGANISM: Artificial Sequence
 213 <220> FEATURE:
 214 <223> OTHER INFORMATION: Ryu86
 217 <400> SEQUENCE: 11
 218 caaagcttgg aagcaagatg gattca 26
 221 <210> SEQ ID NO: 12
 222 <211> LENGTH: 27
 223 <212> TYPE: DNA
 224 <213> ORGANISM: Artificial Sequence
 226 <220> FEATURE:
 227 <223> OTHER INFORMATION: HUR48

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/508,759A

DATE: 07/27/2006
TIME: 09:57:33

Input Set : A:\30215APG_SEQ.txt
Output Set: N:\CRF4\07272006\J508759A.raw

230 <400> SEQUENCE: 12
231 caagatatcc ccacaggtac cagatac 27
234 <210> SEQ ID NO: 13
235 <211> LENGTH: 27
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION HUR49
243 <400> SEQUENCE: 13
244 tgtgggata tcttgatgac ccaaact 27
247 <210> SEQ ID NO: 14
248 <211> LENGTH: 27
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION HUR50
256 <400> SEQUENCE: 14
257 cacagatctt ttgatttcca gcttggt 27
260 <210> SEQ ID NO: 15
261 <211> LENGTH: 27
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION HUR51
269 <400> SEQUENCE: 15
270 atcaaaagat ctgtggctgc accatct 27
273 <210> SEQ ID NO: 16
274 <211> LENGTH: 58
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION CK1D
282 <400> SEQUENCE: 16
283 gcgccgtcta gaattaacac tctccctgt tgaagcttt tgtgacgggc gaactcag 58
286 <210> SEQ ID NO: 17
287 <211> LENGTH: 27
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION YM001N
295 <400> SEQUENCE: 17
296 cccgaattca cattcacgtatgtt 27
299 <210> SEQ ID NO: 18
300 <211> LENGTH: 16
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION YM003
308 <400> SEQUENCE: 18

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/508,759A

DATE: 07/27/2006
TIME: 09:57:33

Input Set : A:\30215APG_SEQ.txt
Output Set: N:\CRF4\07272006\J508759A.raw

309 tgccccccaga ggtgct 16
 312 <210> SEQ ID NO: 19
 313 <211> LENGTH: 33
 314 <212> TYPE: DNA
 315 <213> ORGANISM: Artificial Sequence
 317 <220> FEATURE:
 318 <223> OTHER INFORMATION: ym257
 321 <400> SEQUENCE: 19 33
 322 acgcattcag tgcttcttgg atgaactggg tga
 325 <210> SEQ ID NO: 20
 326 <211> LENGTH: 31
 327 <212> TYPE: DNA
 328 <213> ORGANISM: Artificial Sequence
 330 <220> FEATURE:
 331 <223> OTHER INFORMATION: YM258
 334 <400> SEQUENCE: 20
 335 atccaagaag cactgaatgc gtagccagaa g 31
 338 <210> SEQ ID NO: 21
 339 <211> LENGTH: 38
 340 <212> TYPE: DNA
 341 <213> ORGANISM: Artificial Sequence
 343 <220> FEATURE:
 344 <223> OTHER INFORMATION: YM004
 347 <400> SEQUENCE: 21
 348 ccaattcaaa gcggttttc cattactata taagaggc 38
 351 <210> SEQ ID NO: 22
 352 <211> LENGTH: 32
 353 <212> TYPE: DNA
 354 <213> ORGANISM: Artificial Sequence
 356 <220> FEATURE:
 357 <223> OTHER INFORMATION: YM009
 360 <400> SEQUENCE: 22 32
 361 gcagccaccc tacgtttgat ttccacaccc gt
 364 <210> SEQ ID NO: 23
 365 <211> LENGTH: 39
 366 <212> TYPE: DNA
 367 <213> ORGANISM: Artificial Sequence
 369 <220> FEATURE:
 370 <223> OTHER INFORMATION: Ryu 166
 373 <400> SEQUENCE: 23
 374 ggattttgtct gcagtcattt tggctctgcc ctggaaactt 39
 377 <210> SEQ ID NO: 24
 378 <211> LENGTH: 27
 379 <212> TYPE: DNA
 380 <213> ORGANISM: Artificial Sequence
 382 <220> FEATURE:
 383 <223> OTHER INFORMATION: Hur 37
 386 <400> SEQUENCE: 24
 387 gacaaaatcca cgagcacagt ctacatg 27

Please correct
similar errors in
subsequent sequences.

VERIFICATION SUMMARY DATE: 07/27/2006
PATENT APPLICATION: US/10/508,759A TIME: 09:57:34

Input Set : A:\30215APG_SEQ.txt
Output Set: N:\CRF4\07272006\J508759A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date